

REMARKS

By entry of this amendment, claims 46-78 are pending in this application. Claims 1-45 have been canceled and new claims 46- 78 have been added. No new matter has been added. The claims 46-78 recite features from claims 1-45, and replace claims 1-45 in order to place the present claims in conformance with a related Chinese application. In view of foregoing amendments and following remarks, the applicants request allowance of the application.

Claim Rejections under 35 U.S.C. §103(a)

Claims 1-45 have been canceled. Accordingly, the rejections of the claims is moot.

New Claims 46-78

New independent claim 46 incorporates the features of indicated allowable claim 2 as well as other features that are not disclosed or suggested in the applied prior art. Independent claim 46 replaces the “signal feature” of claim 2 with “the output signal of the modulator or a state variable of the loop filter.”

For example, new claim 46 recites, in part :

controlling the noise transfer function from the intermediate control signal such that ***the noise transfer function is changed to suppress quantization noise to a smaller extent when the output signal of the modulator or a state variable of the loop filter represents a relatively large amplitude, whereas when the output signal of the modulator or a state variable of the loop filter represents a relatively small amplitude, the noise transfer function is changed to suppress quantization noise to a larger extent.***

Accordingly, claim 46 is allowable. Claims 47-60 depend from claim 46, and are also allowable.

Similarly, new independent claim 61 incorporates the above highlighted language of indicated allowable claim 2 as well as other features that are not disclosed or suggested in the applied prior art. Claims 62-78 depend from claim 61, and are also allowable.

CONCLUSION

All outstanding rejections have been overcome. It is respectfully submitted that, in view of the foregoing amendments and remarks, the application is in clear condition for allowance. Issuance of a Notice of Allowance is earnestly solicited.

Although not believed necessary, the Office is hereby authorized to charge any fees required under 37 C.F.R. § 1.16 or § 1.17 or credit any overpayments to Deposit Account No. 11-0600.

The Office is invited to contact the undersigned at 202-220-4200 to discuss any matter regarding this application.

Respectfully submitted,

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